



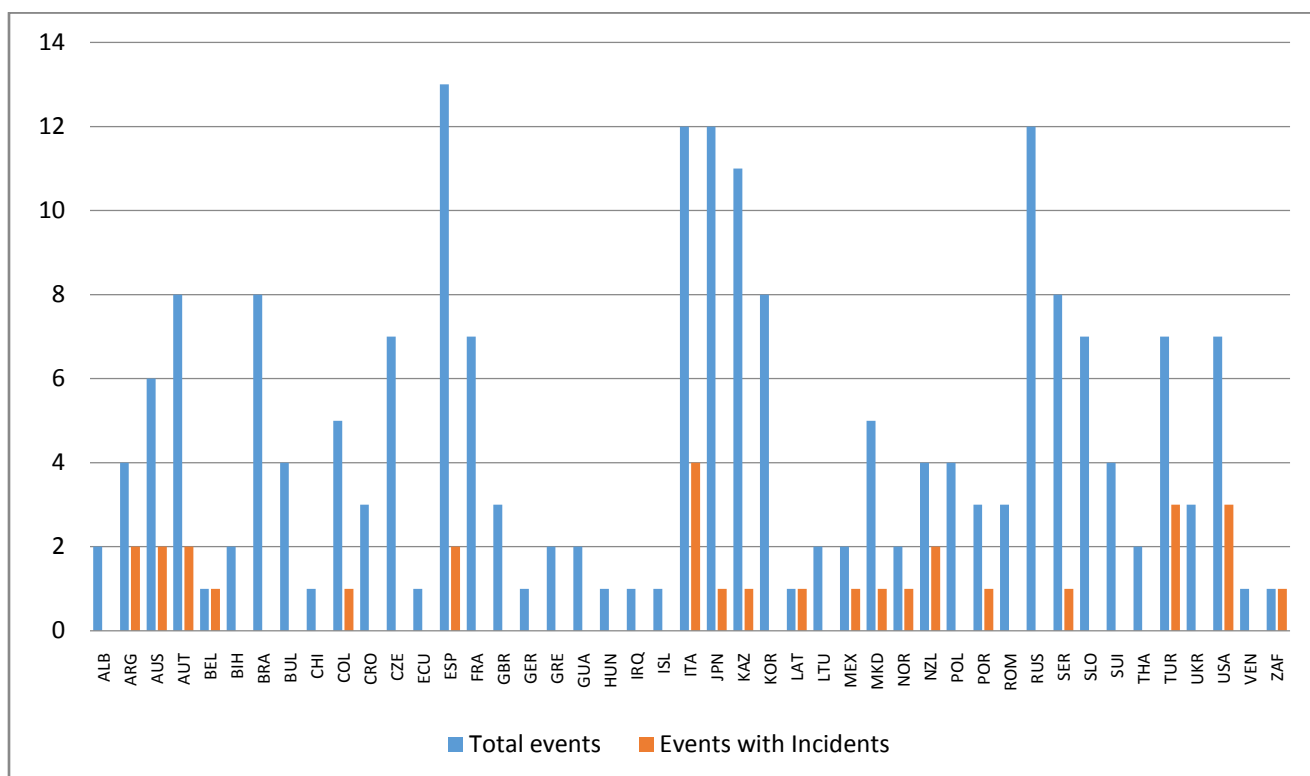
CIVL 2021 PLENARY – ANNEXE 17 SAFETY REPORT

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Accidents/Incident Report Reviews

In 2021 193 Category 2 events were reported as being held with results. Of these 193, only 34 events were reported to have some incidents that we classed into categories of none, minor and severe injuries. One organiser reported a fatality. Totally there were 62 incidents reported. Compared to 2020 the situation with safety looks on the same level or slightly better (17% of events had reported incidents in 2021 compared to 19% in 2020) but one needs to take into account that not all countries managed to have events or had fewer events than usual so the data, even relative can be considered as distorted. Overall the number of XC events is gradually increasing (in 2021 there were 60% more events than in 2020).

Diagram 1: Number of FAI 2 Competitions and Number of Incidents by Country



Of these 62 incidents, 29 ended with no injury to the pilot(10 HG / 19 PG). In 3 cases of those pilots without injury equipment was broken (2 HG / 1 PG). Having nearly half of all the incident reports with no injury is a significant point to the success of our safety procedures and equipment. 23 incidents had minor injuries (bruises and small fractures–12 HG / 12 PG), 9 incidents had serious injuries (1 HG / 8 PG) and 1 fatality (PG). There were 10 mid-air collisions (5 HG / 5 PG). 18 (0 HG / 18 PG) pilots were reported to use the reserve chute with 14 pilots having no injuries. 3 incidents required and received rescue by helicopter. Of the 32 injuries, 13 were taken to hospital and 5 underwent serious operations. All of the injured pilots recovered.

Diagram 2: Incidents by Injury

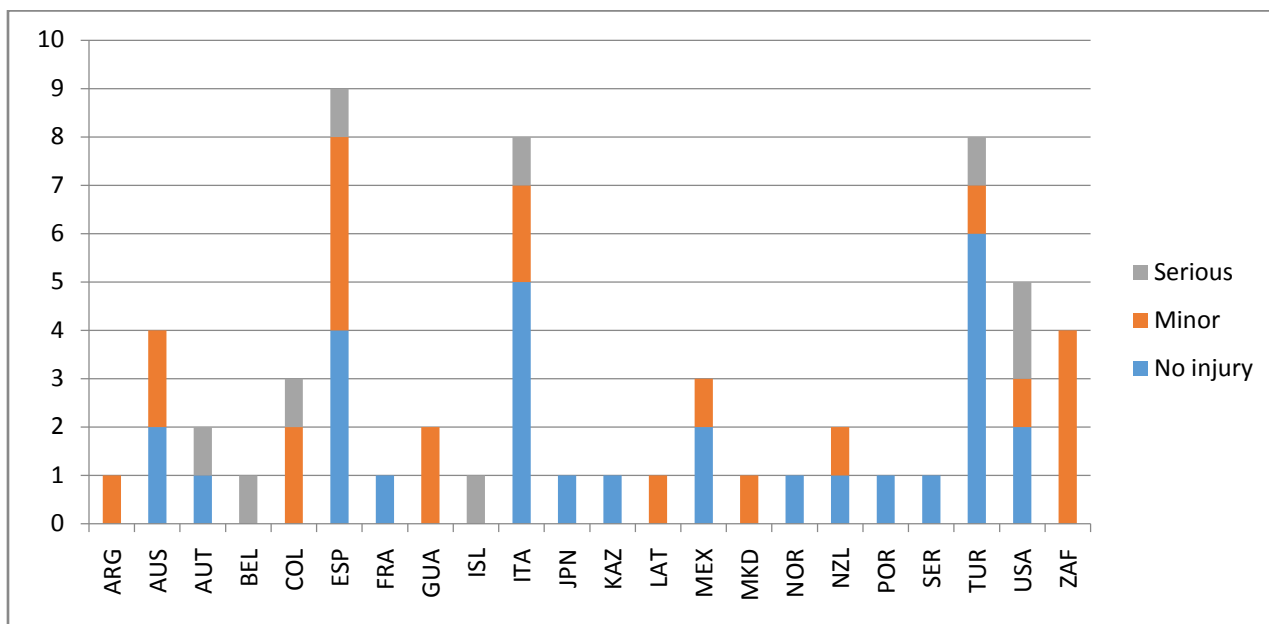


Diagram 3 Incidents by Sport/Discipline

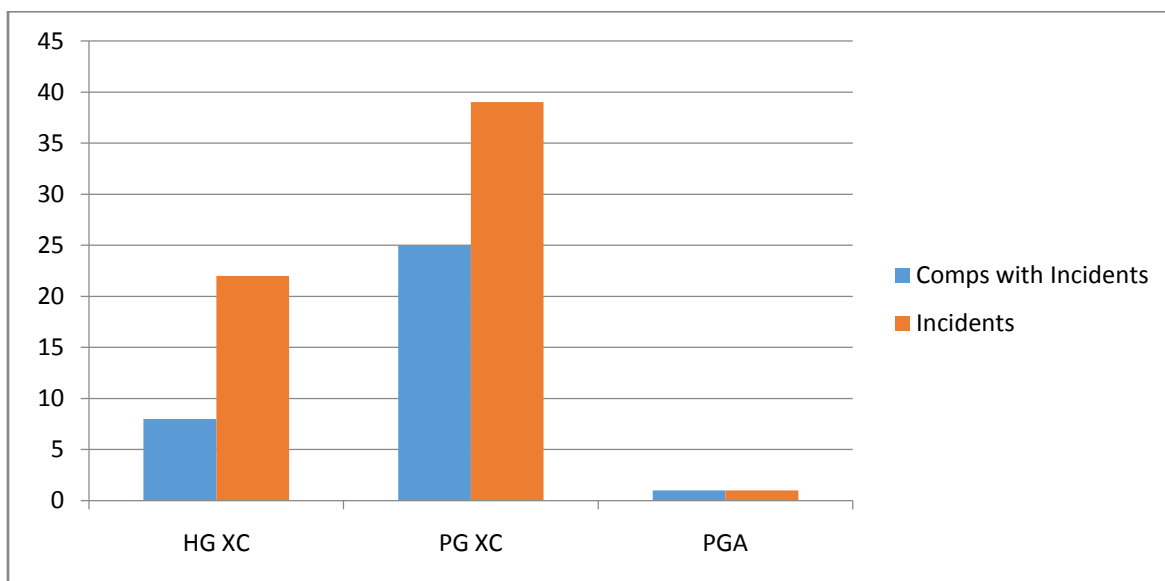


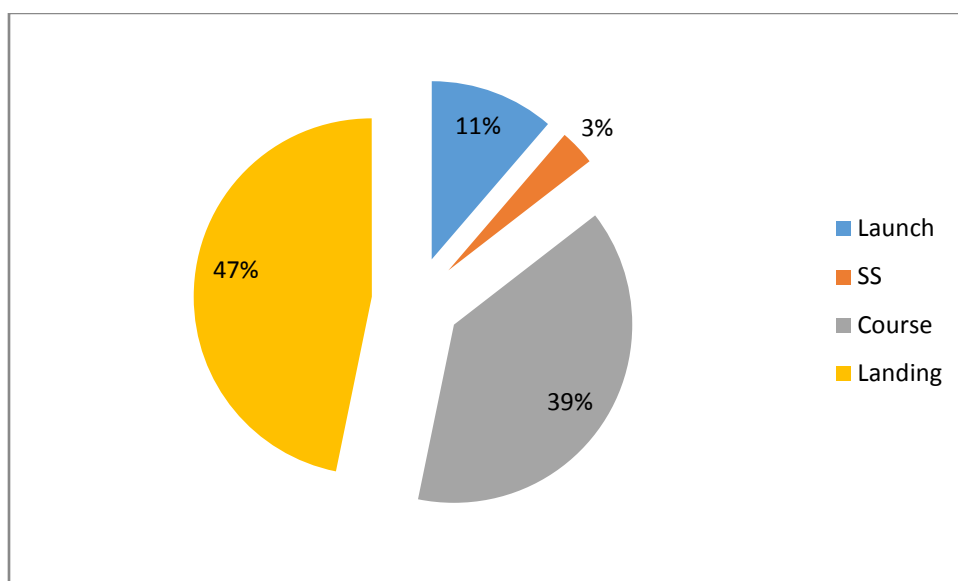
Table 1

	Events			Incidents			Events with incidents		
	2019	2020	2021	2019	2020	2021	2019	2020	2021
HG XC	55	24	36	12	10	22	9	7	8
PG XC	145	72	110	85	31	39	39	14	25
PG Acro	4	0	3	1	0	0	1	0	0
PGA	76	26	43	7	4	1	7	2	1
Total	280	122	192	105	45	62	56.	23	34

	% events that had incidents			Average Incident per event that had incident		
	2019	2020	2021	2019	2020	2021
HG XC	22	29	22	1.33	1.43	2.75
PG XC	59	19	23	2.18	2.21	1.56
PG Acro	25	0	0	1	0	0
PGA	9	8	2	1	2	1

Diagram 4. Incidents by place

According to the place of incident majority of cases happened on the course and at the landing.



Two Incidents Worth Commenting On

Two incidents from last year's competitions are worth drawing some conclusions from.

The PG fatality was a result of a small cravat developing into a full spin and an unsuccessful reserve deployment. The pilot attempted to throw the reserve, but it did not come out of the harness. There were 18 successful PG reserve deployments that makes the point of the frequency of needing the reserve. Making sure your reserve deployment system functions under all conditions that you can simulate is extremely important.

One pilot had a successful reserve deployment and a sprained ankle on landing in some remote mountainside terrain. Helicopter assistance was requested but was not available. It took 29 hours to retrieve the pilot. Based on where the competitions are run, long retrieves like this one can always happen. Be prepared!